



COPY OF PAPERS
ORIGINALLY FILED

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: B. Martinez-Tovar et al : GROUP ART UNIT: 3641
SERIAL NO: 09/470,343 :
FILING DATE: December 22, 1999 : EXAMINER: T. Chambers
TITLE: TITANIUM SEMICONDUCTOR BRIDGE :
IGNITER : ATTY. DKT.: P-1583

#18/Amend
Bentley
6/11/02

RESPONSE TO OFFICE ACTION

Commissioner For Patents
Washington, D.C. 20231

June 10, 2002

Dear Sir:

This paper is responsive to the office action mailed April 11, 2002 in the captioned application.

Enclosed herewith, on a separate paper, is a petition for an extension of time for reply to the office action to June 11, 2002.

AMENDMENTS

Please amend claims 12, 18 and 21 to read as follows.

RECEIVED

JUN 27 2002

GROUP 3600

- Sub 21
12. (thrice amended) A semiconductor bridge igniter comprising:
a substrate;
an electrical bridge structure disposed on the substrate, the bridge structure comprising a layer of a semiconductor material having a negative coefficient of electrical conductivity at temperatures above ambient temperature and having disposed thereover a layer of titanium, the bridge structure comprising a bridge section extending between and connecting spaced-apart pad sections, each pad section being of larger area than the bridge section; and
a pair of electrically conductive lands each overlying a respective one of the pad sections and being spaced apart from each other to leave the bridge section exposed, made by the method comprising depositing a layer of semiconductor material and an exposed layer of